12/09/2004 23:52 FAX Ø003

Appl. No.: 10/080,023 Attorney Docket No.:10541-1281

I. <u>Listing of Claims</u>

(Currently Amended): A solenoid-operated valve assembly for an

automatic transmission of a motor vehicle, comprising:

a valve body having a control chamber, mutually spaced first, second and

third ports communicating with the control chamber, the valve body further having a

damping orifice connecting an end volume and a fluid reservoir;

a valve spool supported for movement along the control chamber,

including a shank, a first land, adapted to open and close the first port and second port,

and a second land located at an opposite end of the shank from the first land and

adapted to open and close the third port, and wherein the second land has a larger

diameter than a diameter of the first land;

a spring urging the valve spool to move along the control chamber; and

a solenoid assembly having an armature axially displaceable in response

to an electric signal supplied to a coil, the armature urging the valve spool to move

along the control chamber.

2-4. Cancelled.

5. (Previously Presented): The valve assembly of Claim 1 wherein the

second land has a larger diameter of between 4 and 10.5mm than the first land wherein

the diameter of the first land is between 3 and 10mm.

2

12/09/2004 23:52 FAX 2004

Appl. No.: 10/080,023 Attorney Docket No.:10541-1281

6. (Previously Presented): The valve assembly of Claim 1 wherein the first

port is adapted for connection to a source of supply pressure, the third port is adapted

for connection to the source of low pressure, and the second port is adapted to produce

control pressure achieved by balancing supply flow from the first port, vent flow to the

third port, and control flow to and from a load.

7. (Currently Amended): A solenoid-operated valve assembly for an

automatic transmission of a motor vehicle, comprising:

a valve body having a control chamber, first, a second and third ports

spaced mutually along, and communicating with the control chamber,

a valve spool located within the control chamber, including a shank, a first

land, adapted to open and close the first port and having a first end and second end, a

second land located at an opposite end of the shank and adapted to open and close the

third port, the second land having a larger dlameter of between 4 and 10.5mm, than the

diameter of the first land wherein the diameter of the first land is between 3 and 10mm;

a damping orifice facing the first end, connecting the control chamber

adjacent the first end with a fluid reservoir;

a spring urging the valve spool to move along the control chamber; and

a solenoid assembly having an armature axially displaceable in response

to an electric signal supplied to a coil, the armature urging the valve spool to move

along the control chamber.

3

12/09/2004 23:53 FAX

Appl. No.: 10/080,023 Attorney Docket No.:10541-1281

8. Cancelled.

9. (Previously Presented): The valve assembly of Claim 7 wherein the first

port is adapted for connection to a source of supply pressure, the third port is adapted

for connection to the source of low pressure, and the second port is adapted to produce

control pressure achieved by balancing supply flow from the first port, vent flow to the

third port, and control flow to and from a load.

10-16, Cancelled.

17. (Previously Presented): The valve assembly of claim 1 further comprising

a leak path between the first land and the valve body for filling the end volume and the

fluid reservoir.

(Previously Presented): The valve assembly of claim 7 further comprising

a leak path between the first land and the valve body for filling the fluid reservoir.